

**17.** The method of claim **15** wherein each of the plurality of acoustic characteristics has been previously determined in a laboratory based on an average of a plurality of acoustic properties associated with a plurality of different ear canals.

**18.** The method of claim **11**, wherein converting the user content audio signal into sound and converting the ambient content audio signal into sound are performed using a shared, electro-acoustic transducer or speaker driver in the in-ear speaker.

**19.** The method of claim **11**, further comprising generating, by an external audio source device that is communicatively coupled to a housing of the in-ear speaker, the user content audio signal.

**20.** The method of claim **19**, further comprising generating, by a microphone whose primary acoustic input port is facing outward into the ambient environment and is located in a concha next to the ear canal, the ambient content audio signal.

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